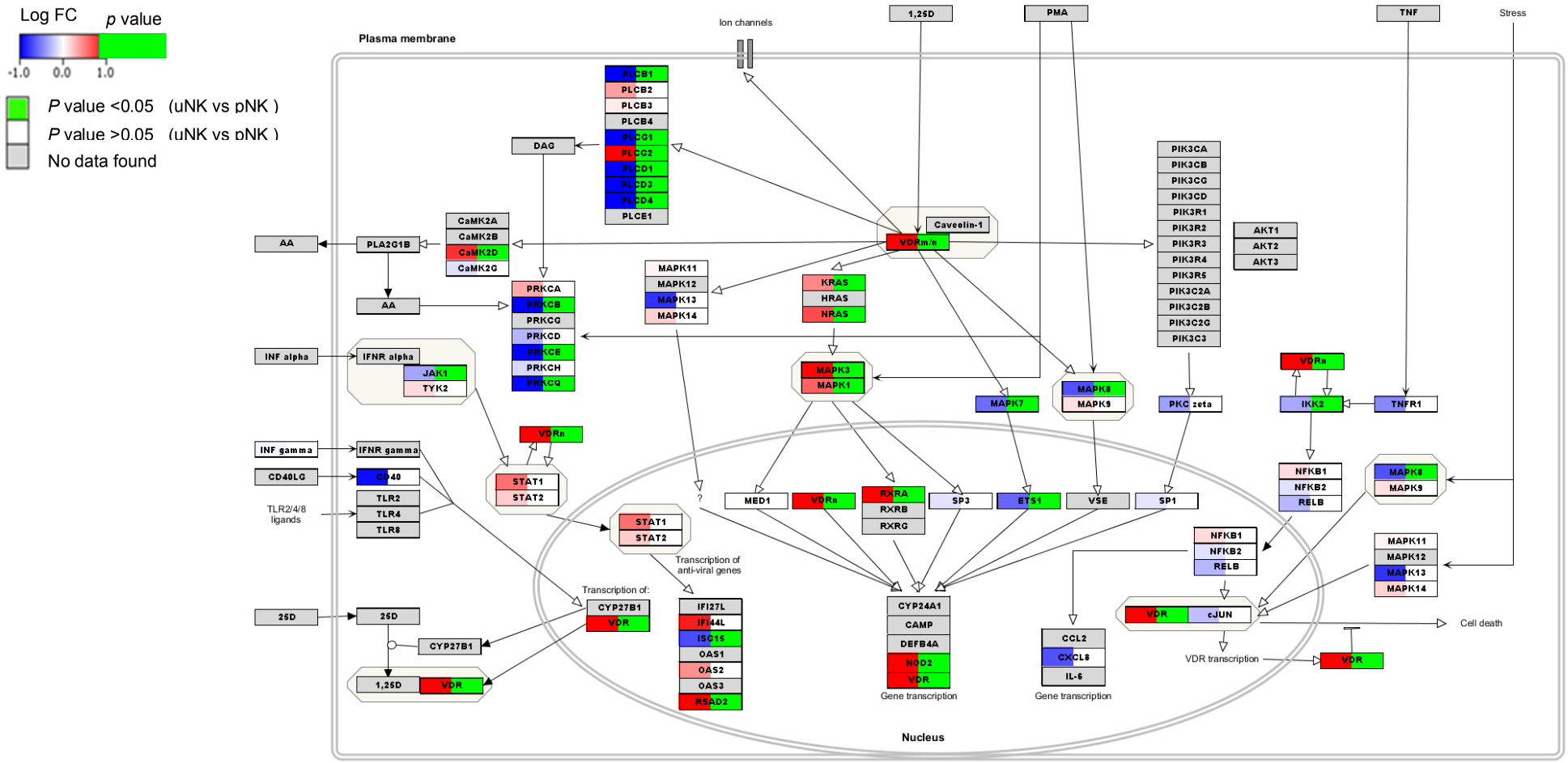
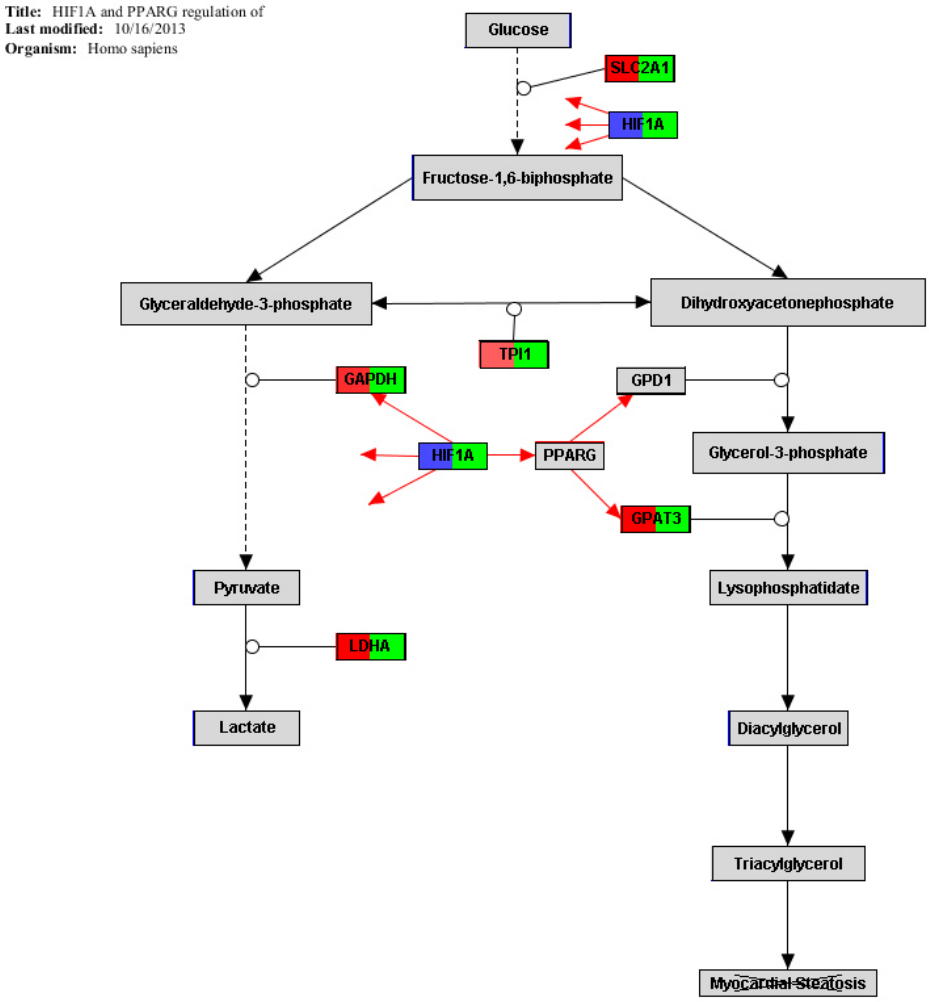
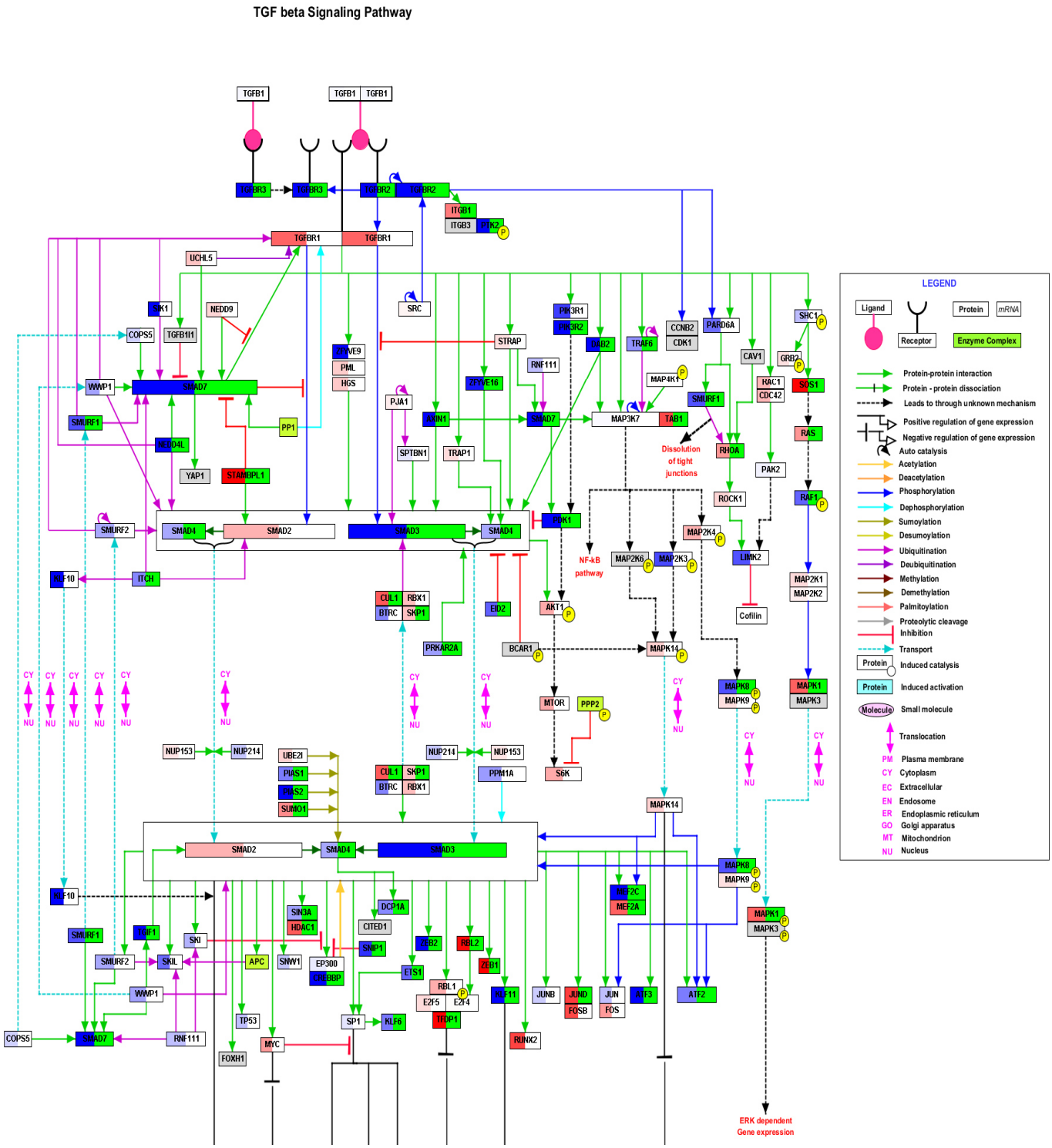


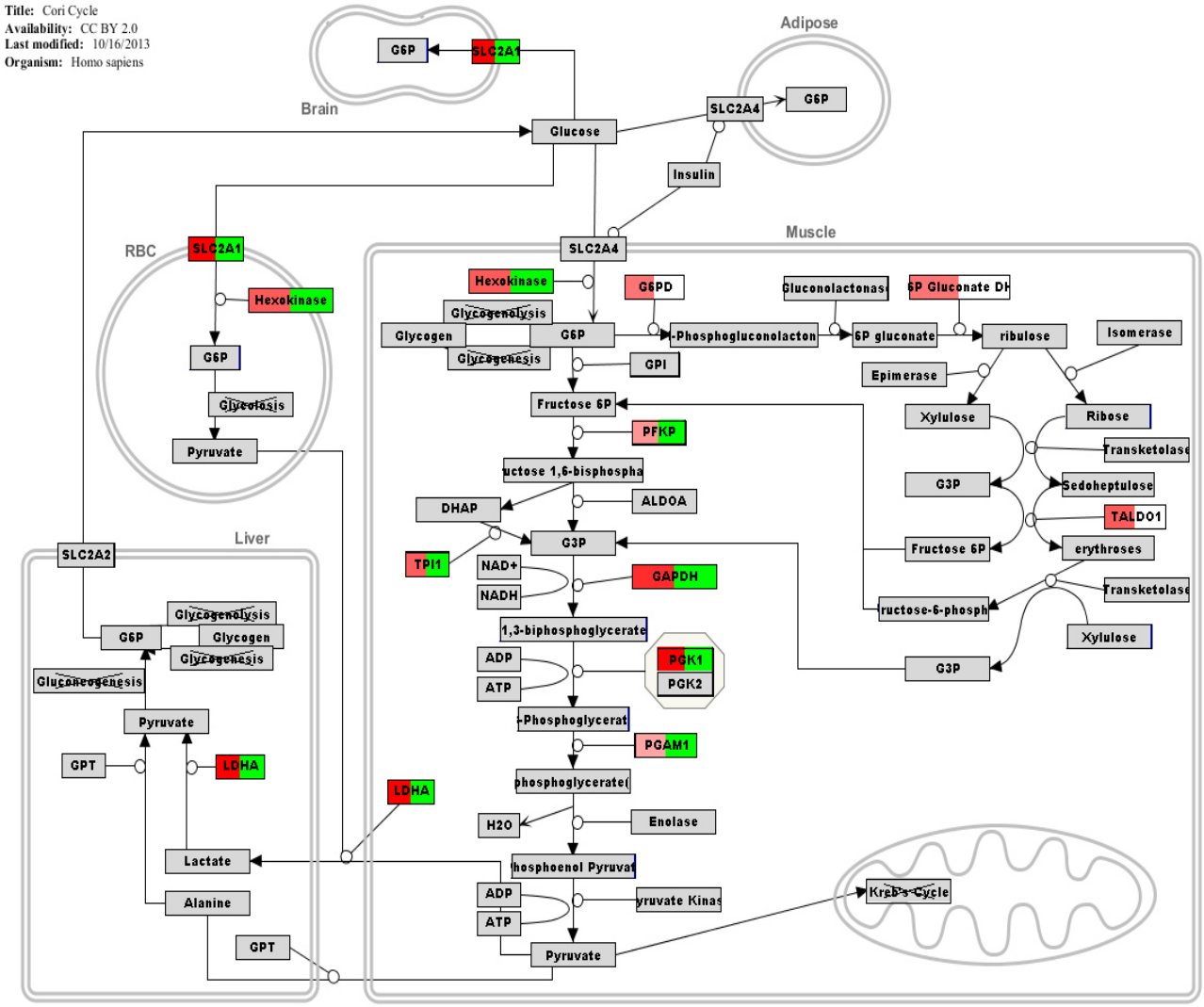

**Supplemental Figure 5A. Pathway analysis of genes associated with non-genomic responses to 1,25(OH)$_2$D3 in CK-stimulated uNK versus CK-stimulated pNK.** Visualisation of genes with enhanced (red) or suppressed (blue) expression in cytokine-stimulated uNK versus cytokine-stimulated pNK. Individual genes are shown in boxes and box colour split into two parts, (1) the log2 fold-change (Log FC) in the left part of the box (blue down-regulated, white not changed, red up-regulated) and (2) the *p*-value for statistical significance is shown in the right part of the box (green when significant). Pathway elements including genes not assessed in the selected dataset are shown in grey.



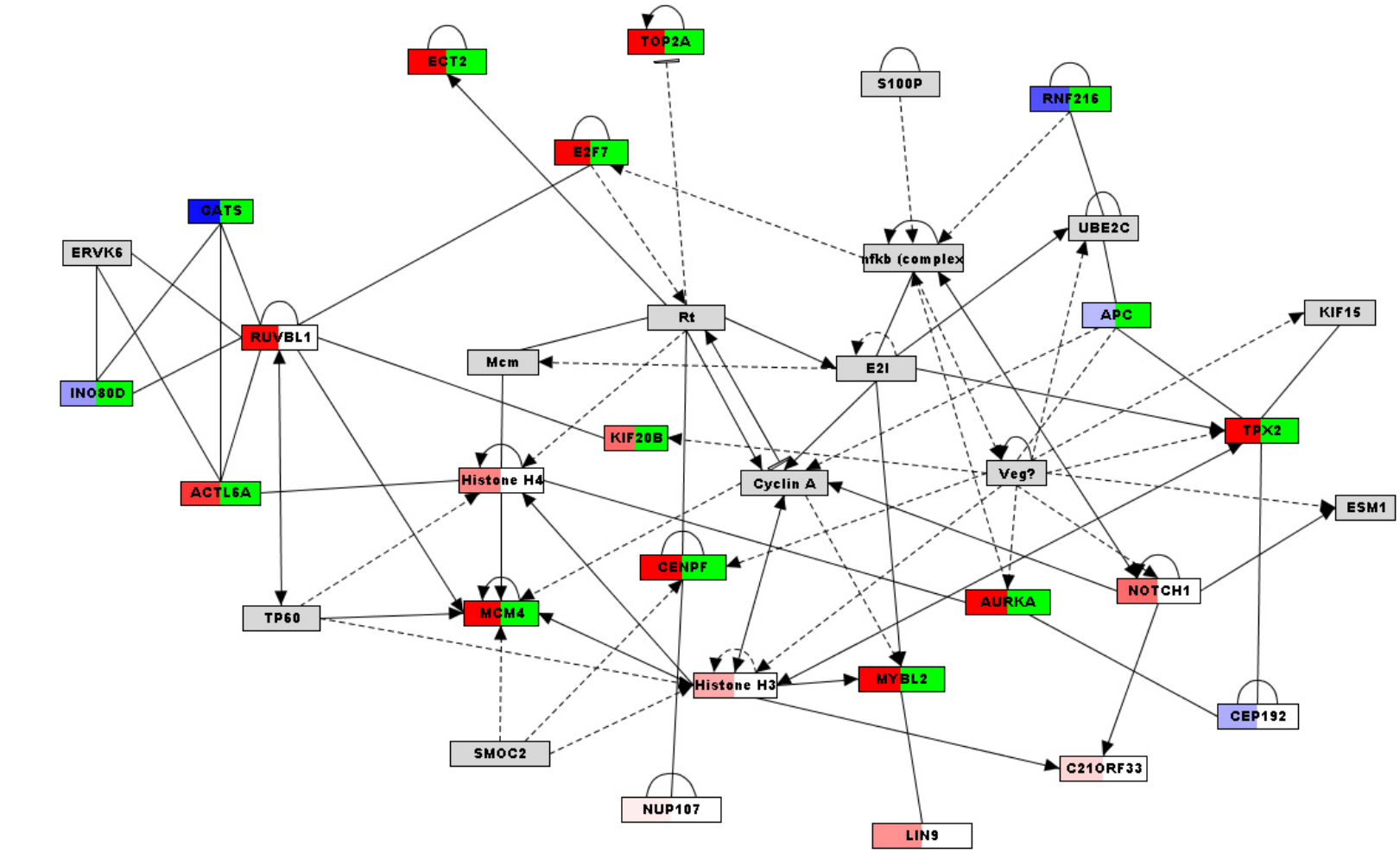

**Supplemental Figure 5B. Pathway analysis of HIF1A and PPARG regulation of glycolysis-related genes in CK-stimulated uNK versus CK-stimulated pNK.** Visualisation of genes with enhanced (red) or suppressed (blue) expression in cytokine-stimulated uNK versus cytokine-stimulated pNK. Individual genes are shown in boxes and box colour split into two parts, (1) the log2 fold-change in the left part of the box (blue down-regulated, white not changed, red up-regulated) and (2) the *p*-value for statistical significance is shown in the right part of the box (green when significant). Pathway elements including genes not assessed in the selected dataset are shown in grey.



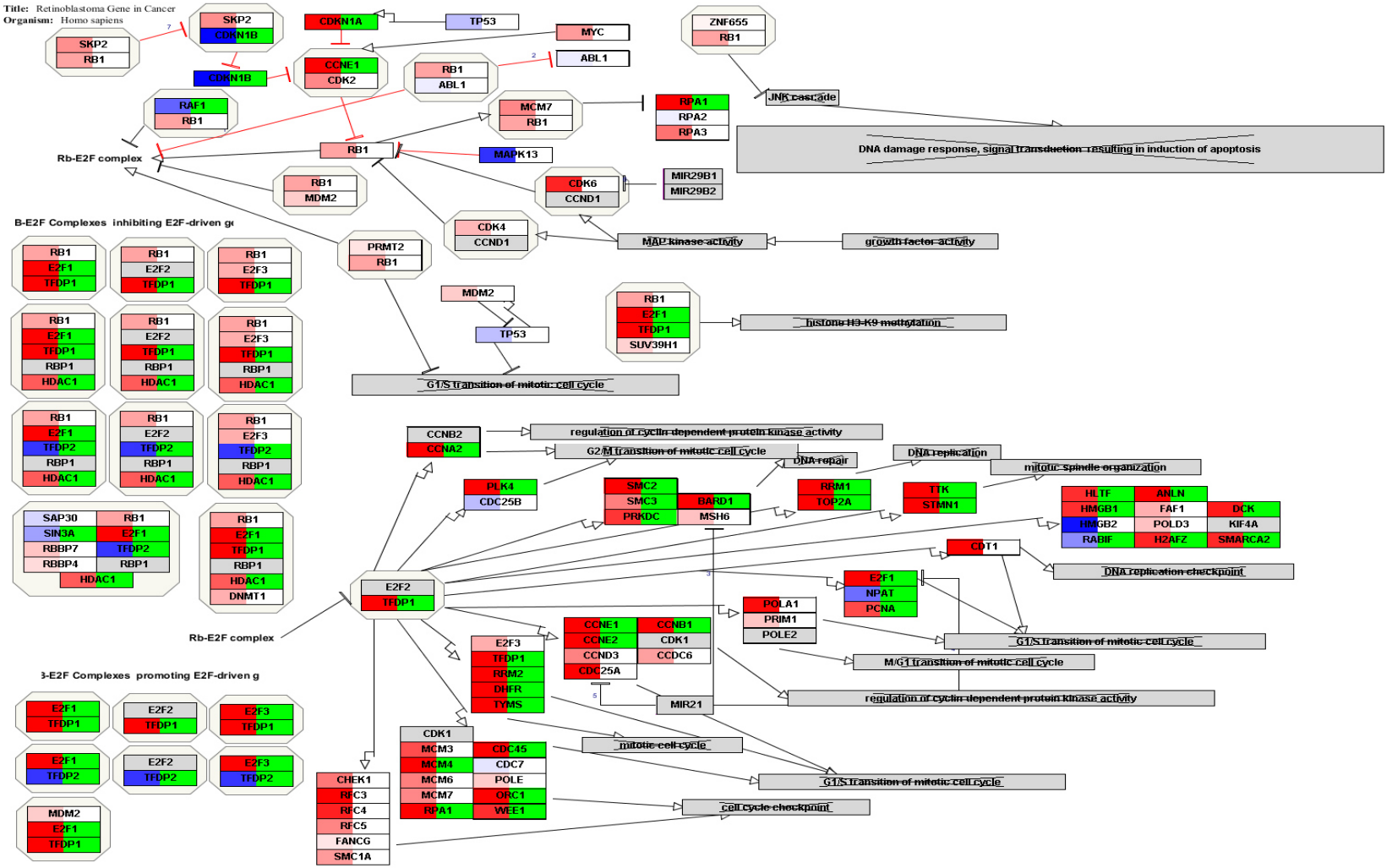

**Supplemental Figure 5C. Pathway analysis of TGFβ signalling pathway in CK-stimulated uNK versus CK-stimulated pNK.**



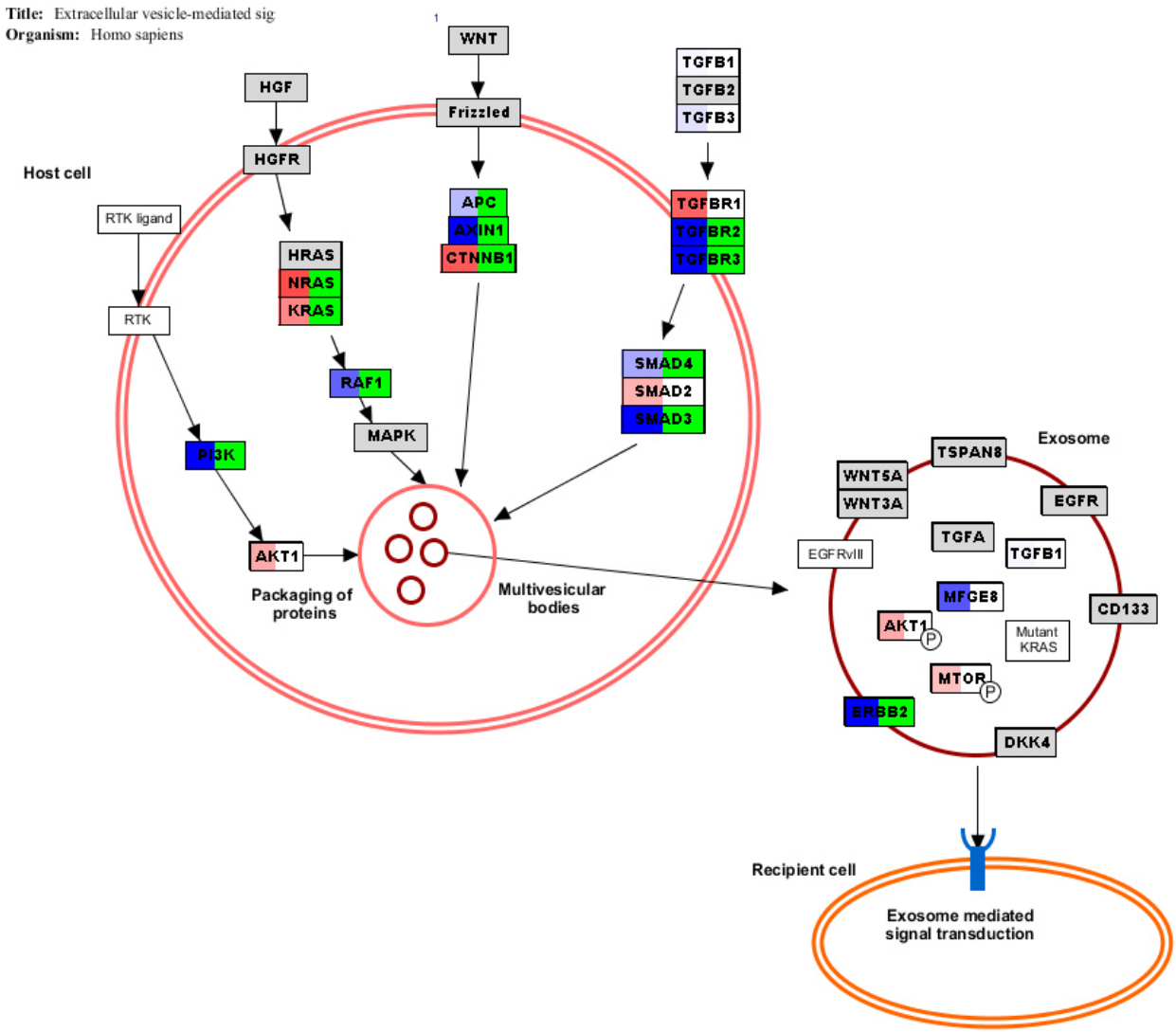

**Supplemental Figure 5D. Pathway analysis of the Cori cycle in CK-stimulated uNK versus CK-stimulated pNK.**




**Supplemental Figure 5E. Pathway analysis of the gastric cancer network in CK-stimulated uNK versus CK-stimulated pNK.**

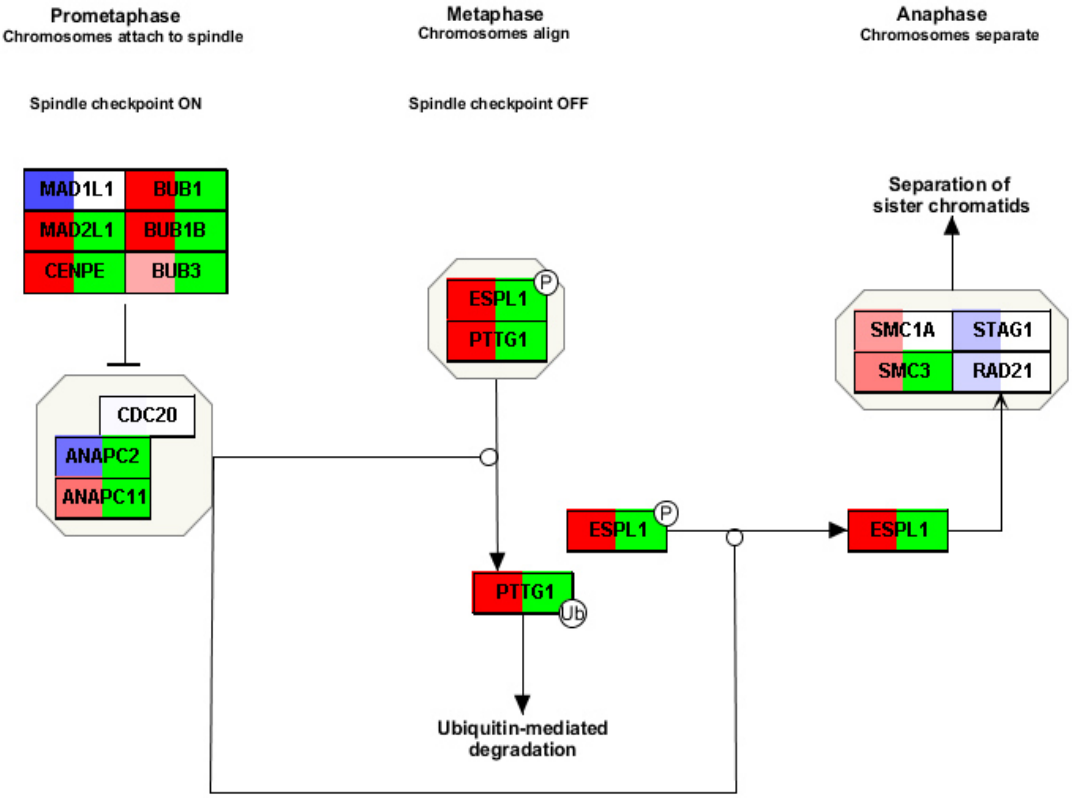



**Supplemental Figure 5F. Pathway analysis of the Retinoblastoma gene in cancer in CK-stimulated uNK versus CK-stimulated pNK.**

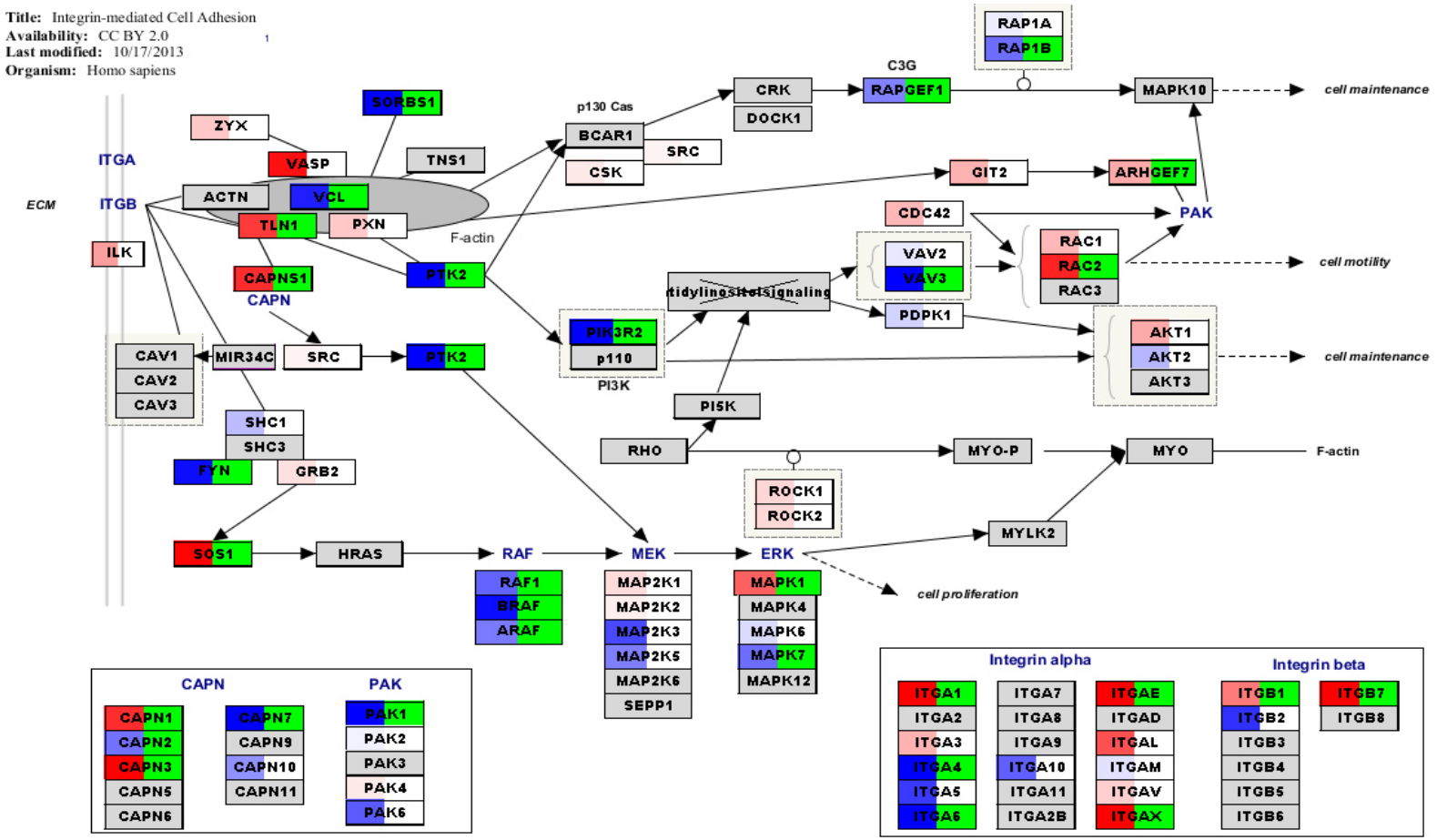



**Supplemental Figure 5G. Pathway analysis of extracellular vesicle-mediated signaling in recipient cells in CK-stimulated uNK versus CK-stimulated pNK.**

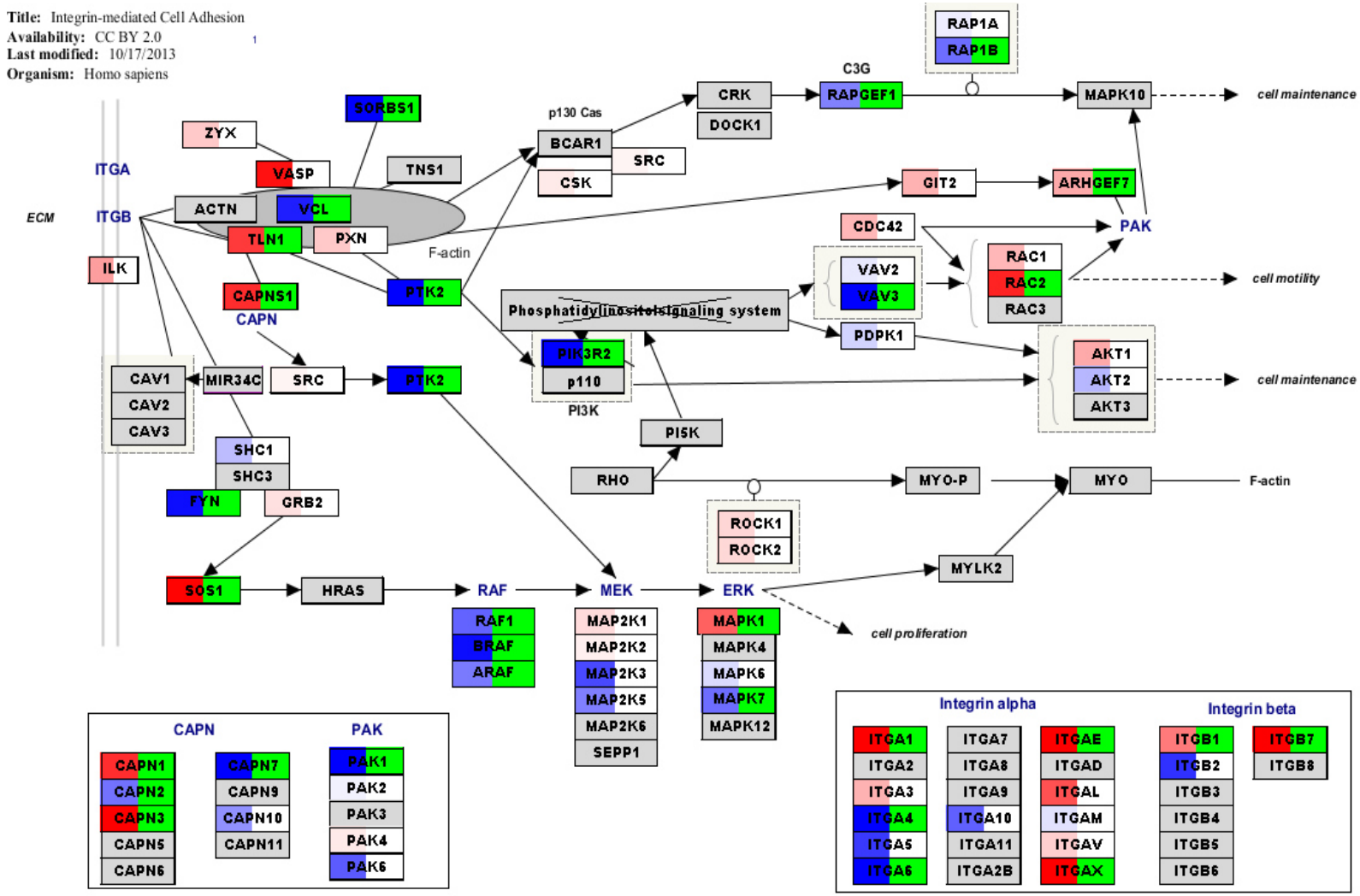
**Title:** Regulation of sister chromatid sep
**Organism:** Homo sapiens




**Supplemental Figure 5H. Pathway analysis of Regulation of sister chromatid separation at metaphase-anaphase transition in CK-stimulated uNK versus CK-stimulated pNK.**

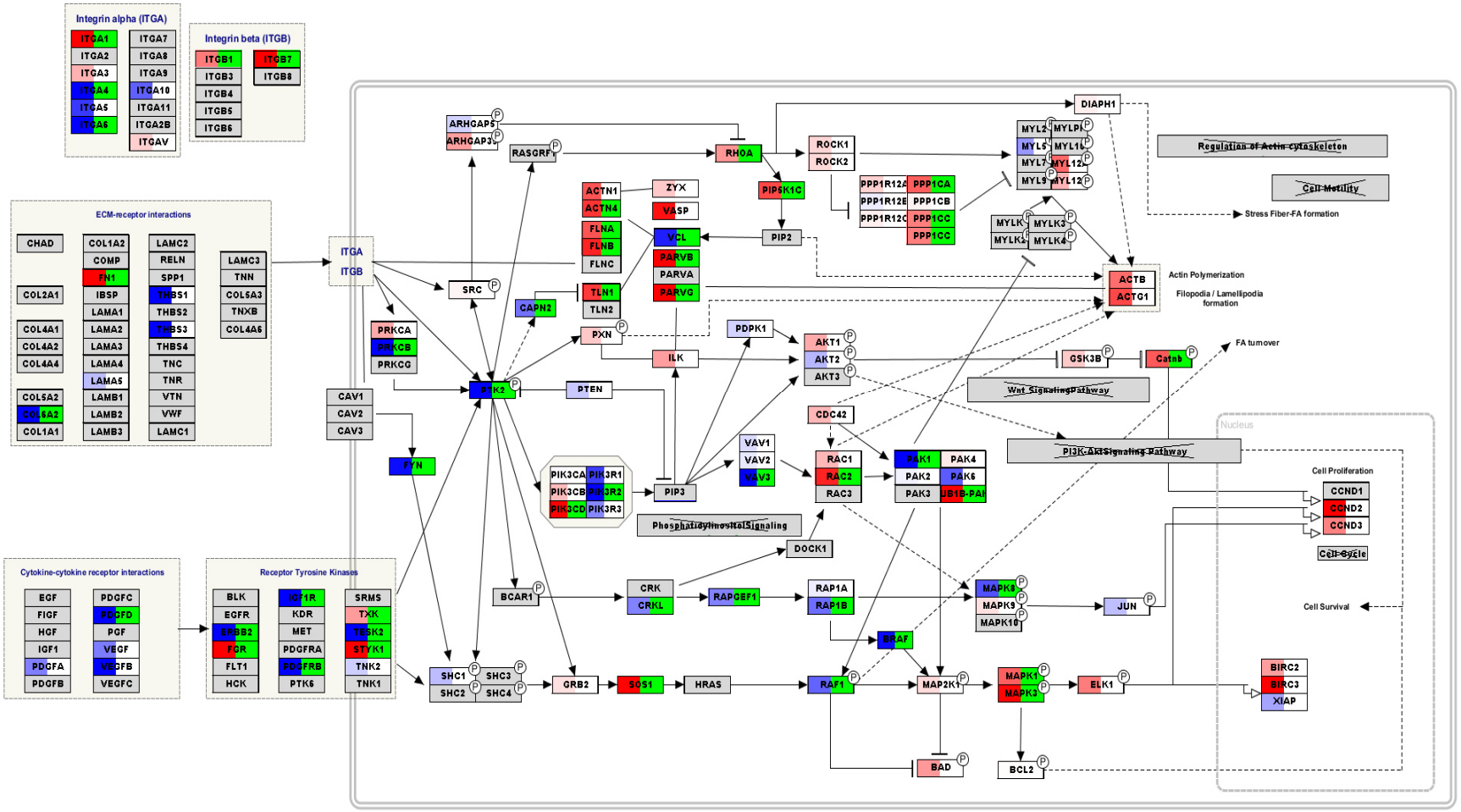



**Supplemental Figure 5l. Pathway analysis of Fluoropyrimidine Activity in CK-stimulated uNK versus CK-stimulated pNK.**

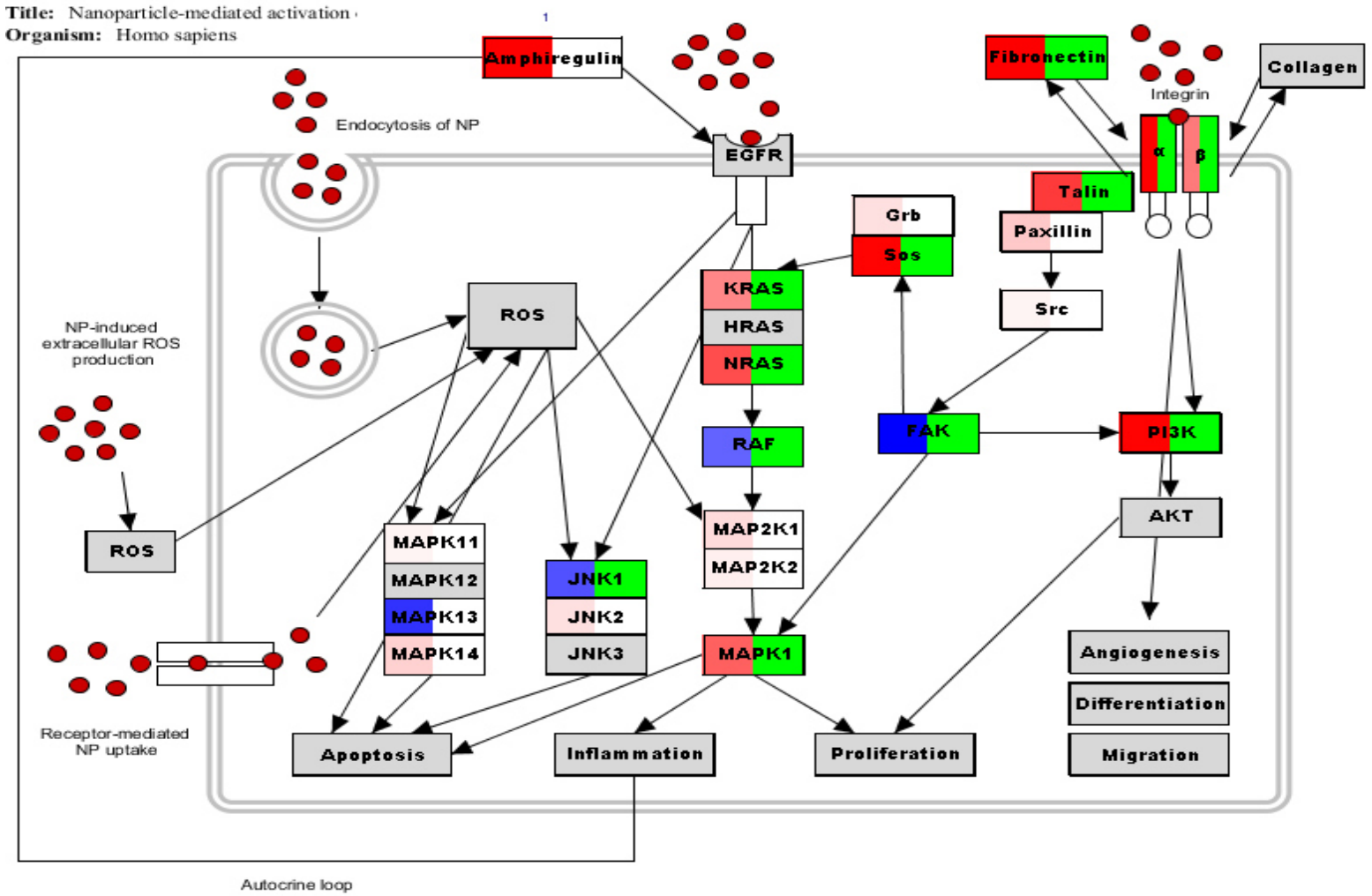



**Supplemental Figure 5J. Pathway analysis of Integrin-mediated Cell Adhesion in CK-stimulated uNK versus CK-stimulated pNK.**

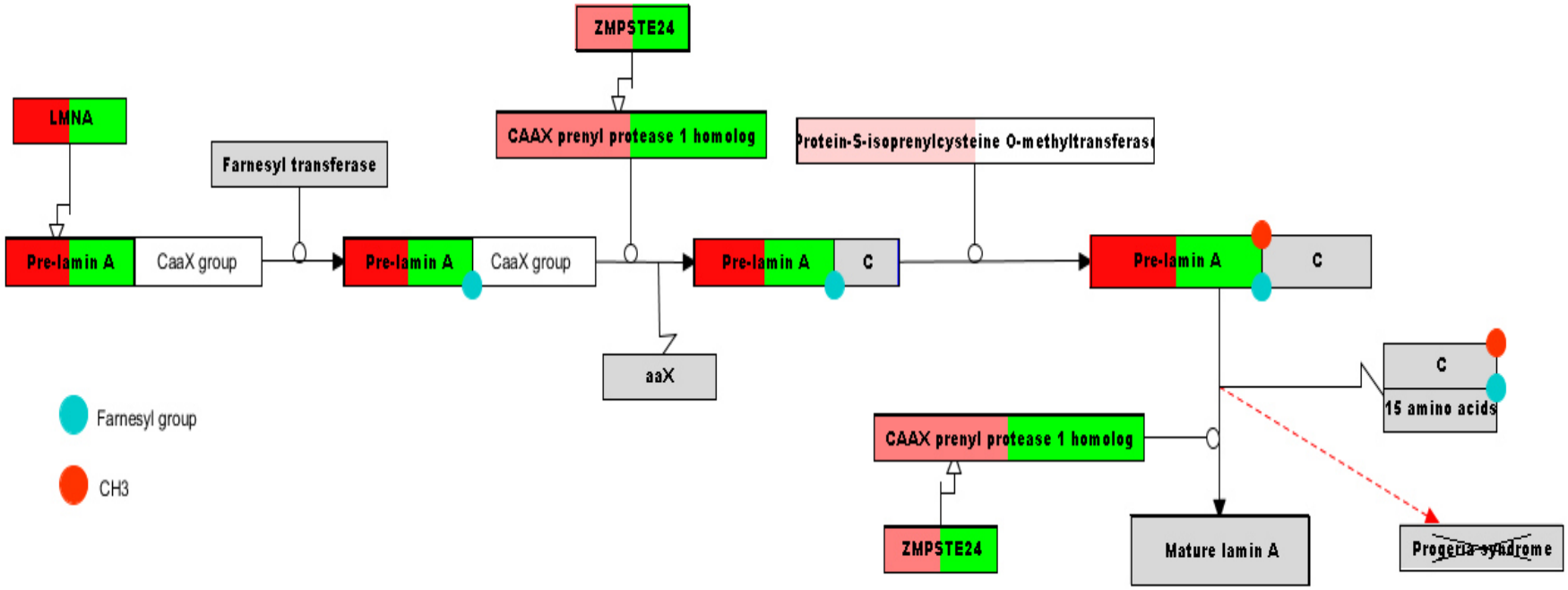
**Title:** Focal Adhesion 1-17
**Organism:** Homo sapiens




**Supplemental Figure 5K. Pathway analysis of Focal Adhesion in CK-stimulated uNK versus CK-stimulated pNK.**

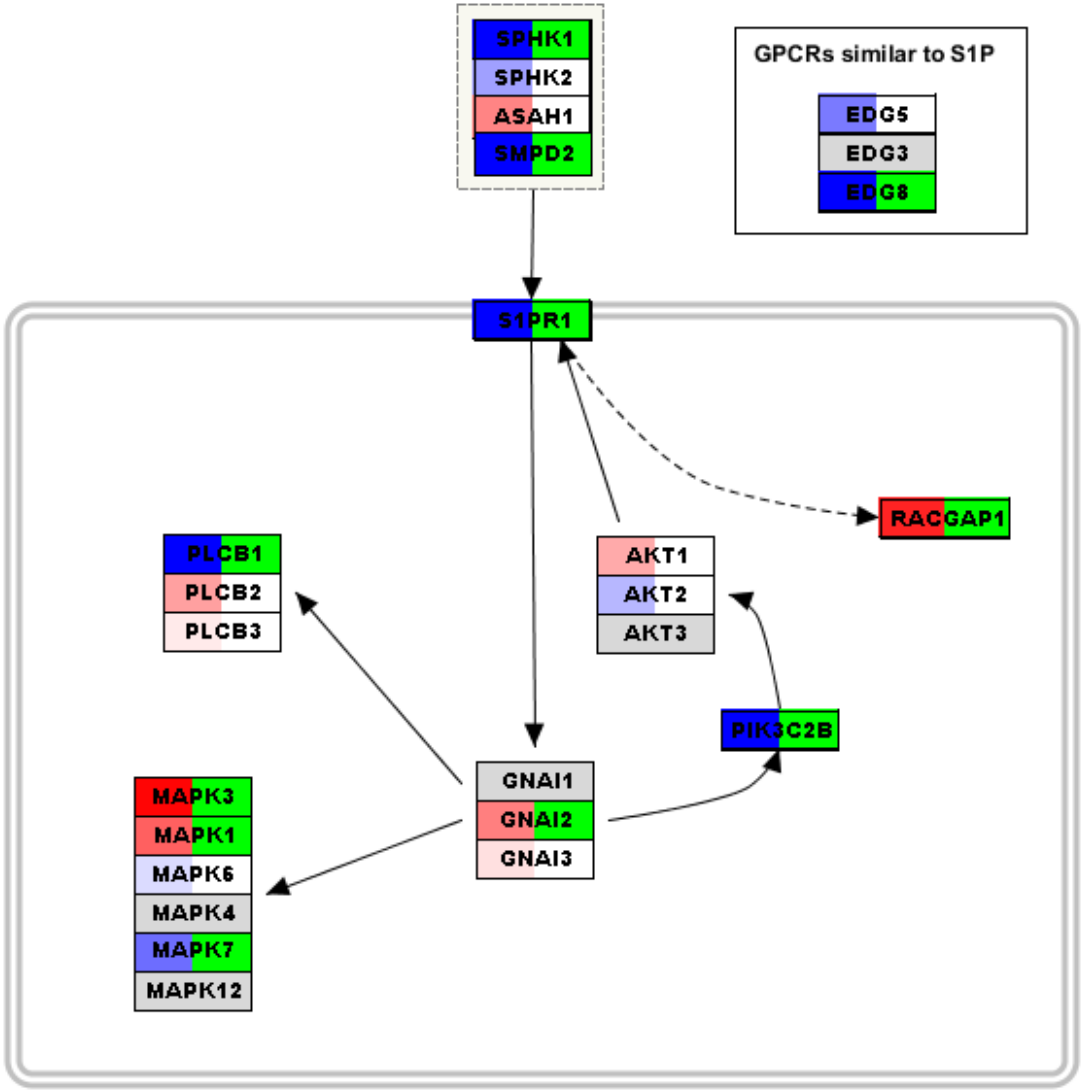



**Supplemental Figure 5L. Pathway analysis of the Nanoparticle-mediated activation of receptor signalling in CK-stimulated uNK versus CK-stimulated pNK.**

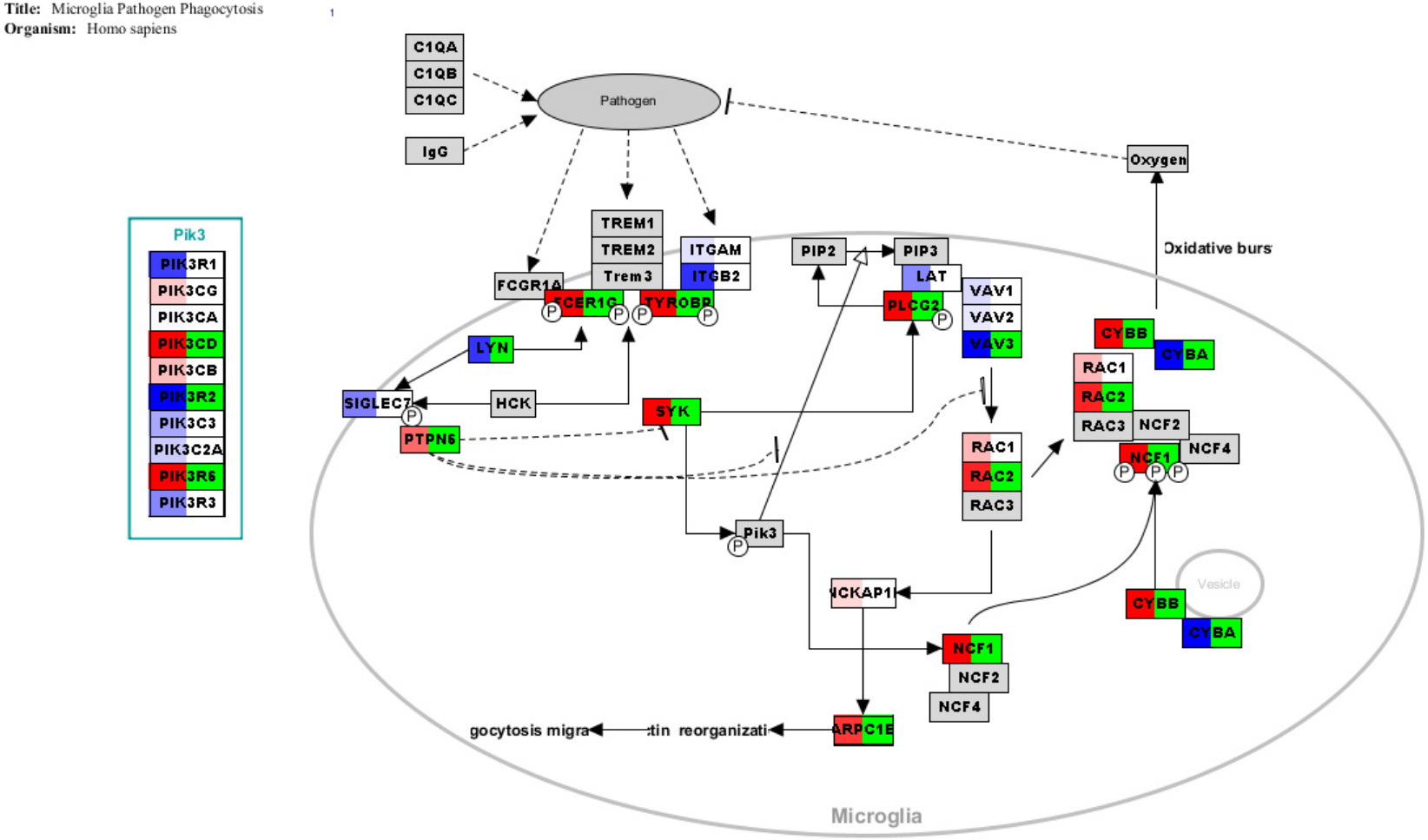



**Supplemental Figure 5M. Pathway analysis of the Lamin A-processing pathway signalling in CK-stimulated uNK versus CK-stimulated pNK.**

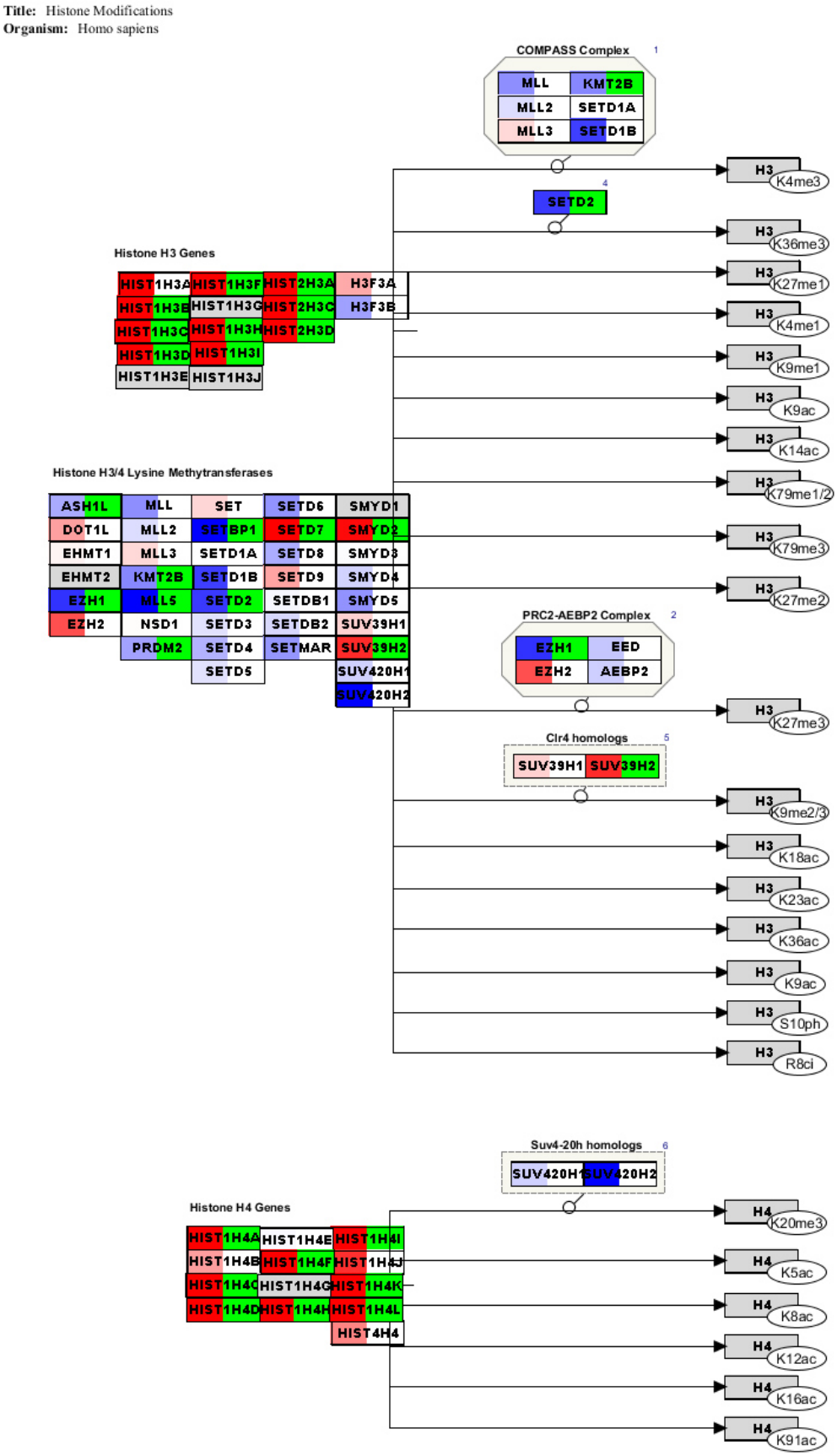
**Title:** Signal Transduction of S1P Recep
**Availability:** CC BY 2.0
**Organism:** Homo sapiens



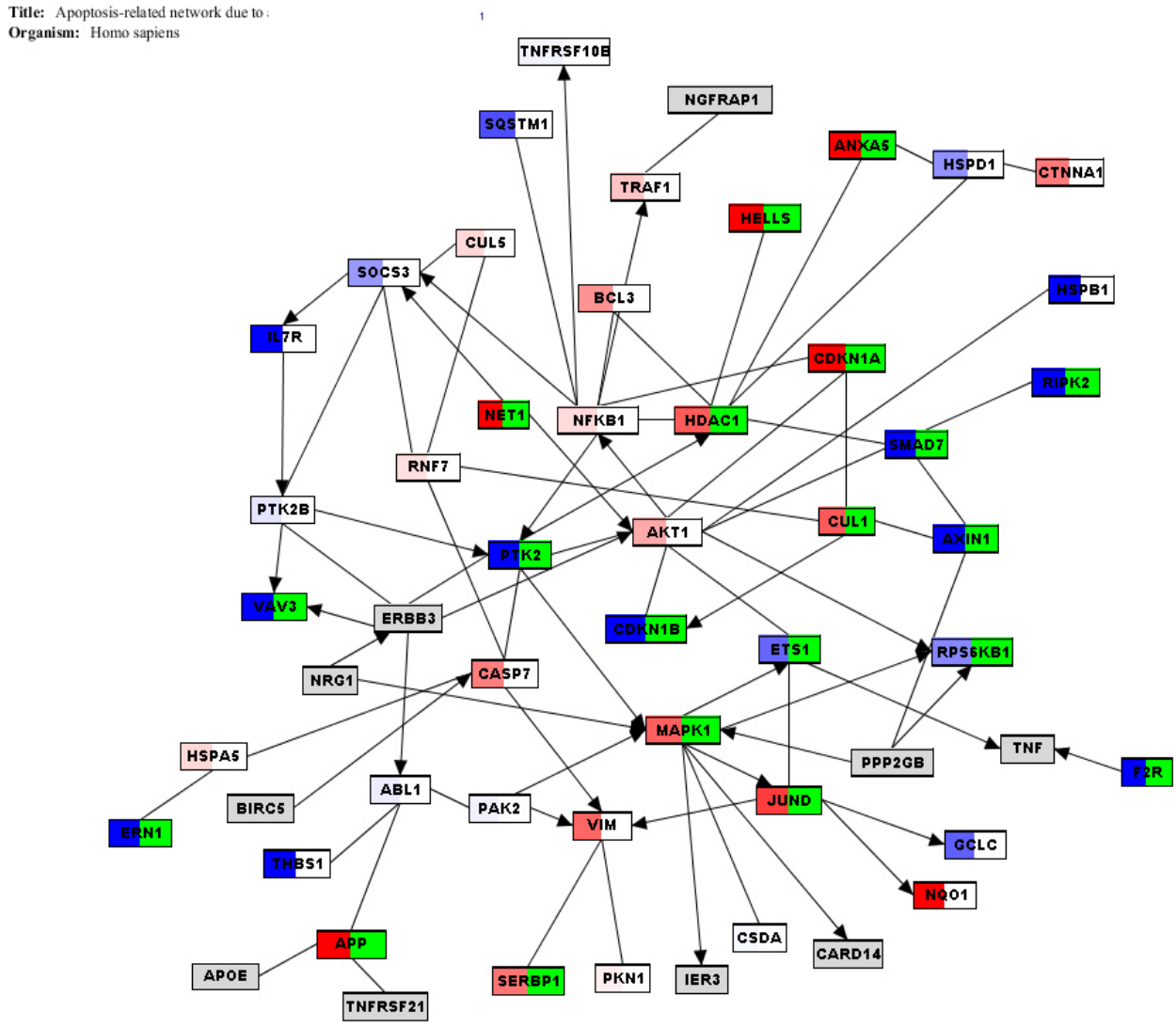

**Supplemental Figure 5N. Pathway analysis of Signal Transduction of S1P Receptor signalling in CK-stimulated uNK versus CK-stimulated pNK.**



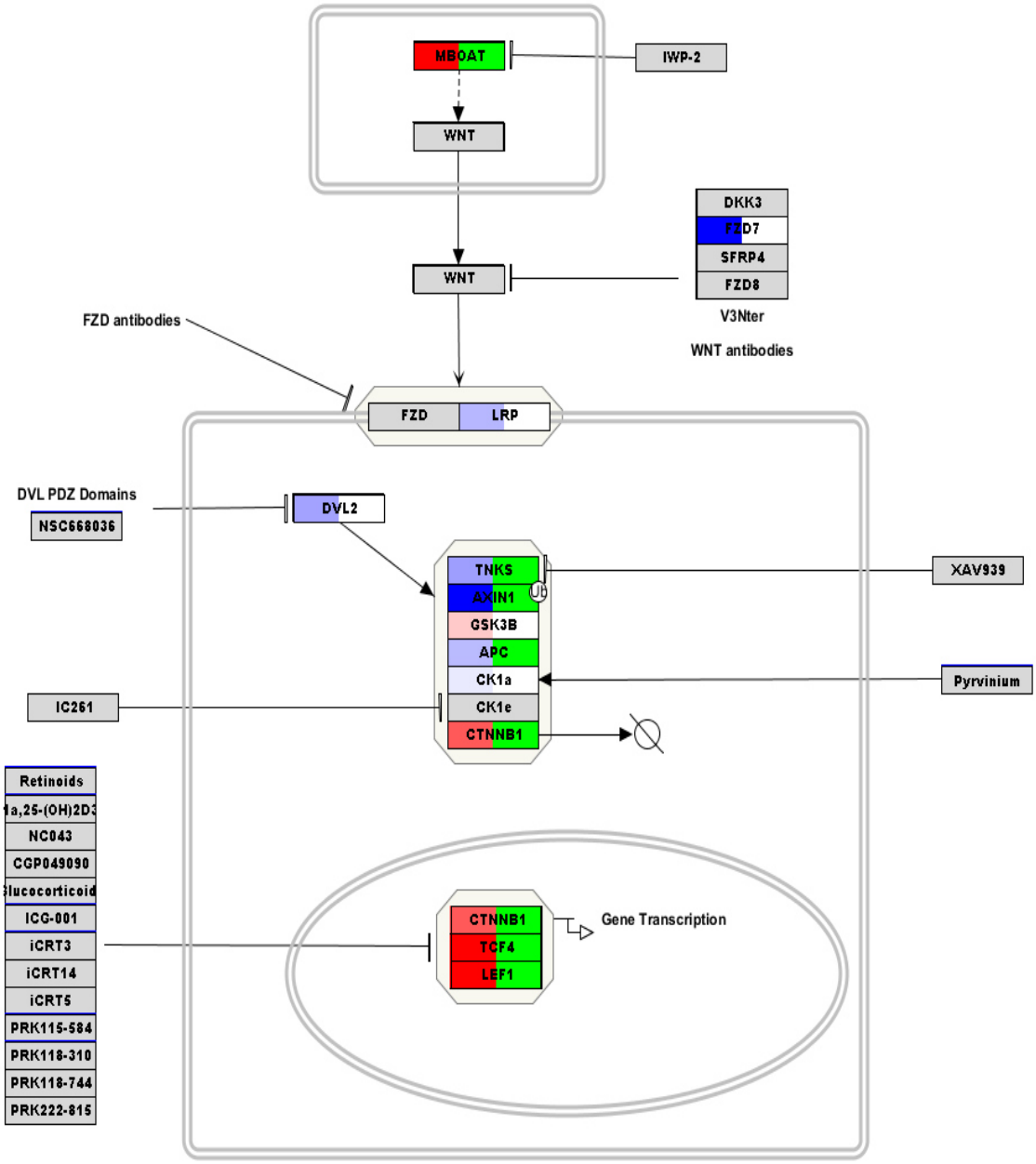

**Supplemental Figure 5O. Pathway analysis of Microglia Pathogen Phagocytosis Pathway in CK-stimulated uNK versus CK-stimulated pNK.**



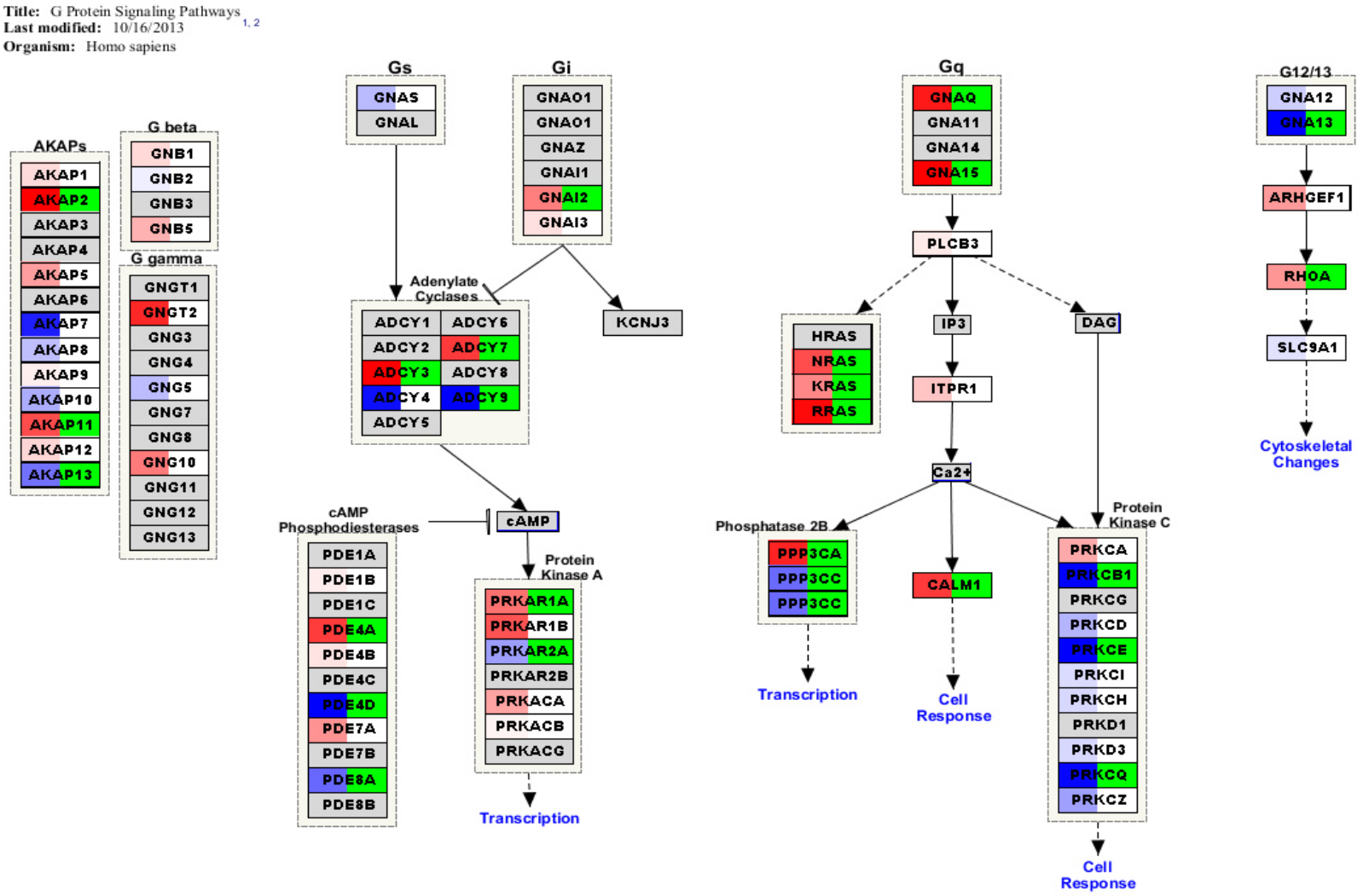

**Supplemental Figure 5P. Pathway analysis of Histone Modifications in CK-stimulated uNK versus CK-stimulated pNK.**




**Supplemental Figure 5Q. Pathway analysis of Apoptosis-related network due to altered Notch3 in ovarian cancer in CK-stimulated uNK versus CK-stimulated pNK.**




**Supplemental Figure 5R. Pathway analysis of Regulation of Wnt/B-catenin Signaling by Small Molecule Compounds in CK-stimulated uNK versus CK-stimulated pNK.**




**Supplemental Figure 5S. Pathway analysis of G Protein Signaling Pathways in CK-stimulated uNK versus CK-stimulated pNK.**